

ABSTRACT OF THE DISCLOSURE

An optical module controls its output characteristics electrically and an optical switch constitutes the optical
5 module. An optical waveguide circuit (PLC) and an
electronic circuit (IC) for driving the PLC are mounted
on the same substrate. The IC is composed of a bare chip
to be molded afterward. Wiring of the IC is grouped and
integrated on the PLC substrate to achieve higher density
10 and miniaturization of the optical module.